

Title (en)  
Device and method for filling containers

Title (de)  
Apparat und Verfahren zum Füllen von Behältern

Title (fr)  
Appareil et méthode de remplissage de récipients

Publication  
**EP 1151795 A3 20030806 (EN)**

Application  
**EP 01110846 A 20010504**

Priority  
IT BO20000257 A 20000505

Abstract (en)  
[origin: EP1151795A2] A device for filling a container (200) provided with a back-sight (202) including: visual bearing means (30) directed toward the container (200); filling means (40) connected to liquid delivering means (50) into the container (200); an unit (20) controlling the visual bearing means (30), the filling means (40) and the delivery means (50), fit to sequentially activate, in correspondence of a filling condition, the visual bearing means (30), receiving therefrom signals related to the container (200) to detect the back-sight (202). The filling means (40) through the delivering means (50) pour liquid into said container (200) until the unit (20) deactivates these latter when the liquid level reaches the back-sight (202). The liquid level is detected by continuously comparing the signals received from said visual bearing means (30) related to the back-sight (202) with the liquid level progressively increasing inside the container (200). <IMAGE>

IPC 1-7  
**G01F 23/292**; **B01L 11/00**; **B67C 3/02**

IPC 8 full level  
**B01L 11/00** (2006.01); **B01L 99/00** (2010.01); **B67C 3/02** (2006.01); **B67C 3/20** (2006.01); **G01F 23/292** (2006.01)

CPC (source: EP)  
**B01L 3/0293** (2013.01); **B67C 3/02** (2013.01); **B67C 3/20** (2013.01); **B67C 3/284** (2013.01); **G01F 23/292** (2013.01)

Citation (search report)

- [XA] FR 2582804 A1 19861205 - PRIMAT DIDIER [CH]
- [A] WO 9843052 A1 19981001 - OPTIKOS CORP [US]
- [A] DE 4446548 A1 19960627 - KHS MASCH & ANLAGENBAU AG [DE]
- [A] US 5427161 A 19950627 - LUEHMANN PETER [DE], et al
- [A] EP 0381894 A1 19900816 - SEETRU LTD [GB]

Cited by  
EP2293029A1; FR2882340A1; JP2013088231A; CN112798080A; US7982201B2; WO2006090065A1

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